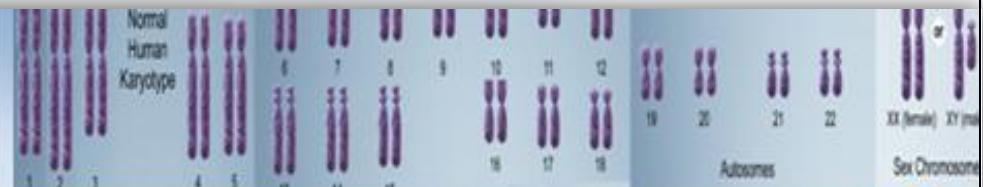


MIRACLES OF ISLAM

DNA GENETIC ENGINEERING AND FETAL DEVELOPMENT ISLAM

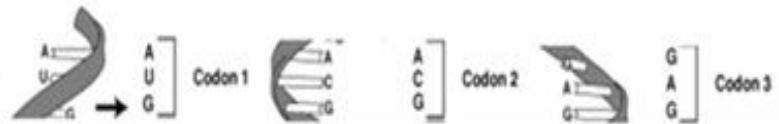
46 CHROMOSOMES



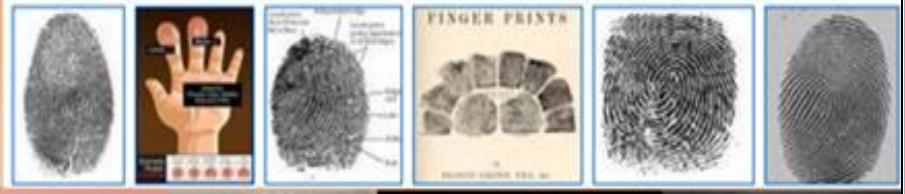
DNA (DEOXYRIBONUCLEIC ACID)



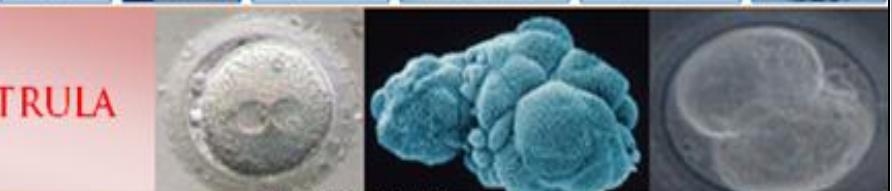
TRIPLETS OF BASE PAIRING



FINGER PRINTS



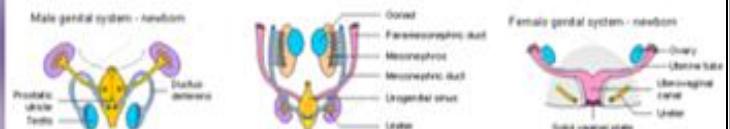
ZYGOTE | BLASTULA | GASTRULA



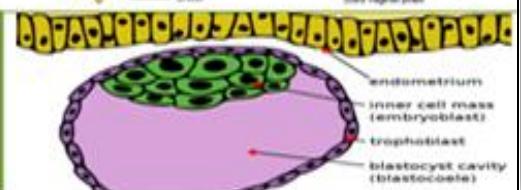
ECTODERM | MESODERM | ENDODERM



GONADS TRANSFORMATION



BLASTULA (EMBRYOBlast + TROPHOBlast)



ISLAM KNOWS IT ALL! REVEALS IT ALL! THIS IS NOT THE WORK OF A HUMAN, NOR THE WORK OF A MAGICIAN, IT IS THE WORDS OF GOD, IT'S THE WORDS OF THE MOST GRACIOUS, MOST MERCIFUL AS REVEALED BY THE PROPHET OF ISLAM (PBUH), IT'S THE WORDS OF ALLAH (SWT)

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INTRODUCTION

This article is about Miracles of Islam related to *DNA Genetic Engineering* and *Fetal Development of the Human Embryo in the mother womb* as revealed 1400 years ago by Prophet of Islam, Muhammad (PBUH) whom through him the Holy Qur'an script was revealed and from him thousands of narrations being used as a guide by Muslims to follow and adopt as a code of conduct in life and this code of conduct is known as the code of Islam, the religion of Islam

People browsing the World Wide Web keep wondering when reading articles and viewing multimedia associated to Islamic miracles, doubting the authenticity of such articles and on so many occasions they consider most of these articles as an exaggeration by Muslim Clerics trying their best to support the cause of Islam.

This article in its written format heads towards a purely scientific approach far away from philosophy and exaggeration and it focuses mainly on showing the true facts without additions or subtraction as part of our effort to support the cause of Islam in a purely scientific way. Although this is a single document that might seems odd in its approach to issues as it sounds different than others but definitely I believe it worth reading and it will by the grace of god stand as a unique reference to all who believe that his universe was created by a creator and this creator is telling us that he exists, He Created us, He is going to capture our dying soul, he is going to resurrect us and at the end of it all he is going to judge us and sentence us to either Hell or Heaven.

The Islamic resources in this book is extracted from the *Holy Qur'an*, *Sahih Al-Bukhari* and *Sahih Muslim* and hence the validity of this article is crucial for its authenticity, we find it a necessity to shed some Light/Explanations about the Islamic resources in use beginning with the book of Islam which is the Qur'an.

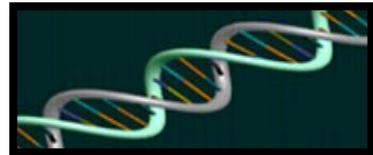
SCIENCE OF THE QUR'AN

Comparison Based Sentences: The Qur'an Script uses in most of the times words and comparison based sentences for the purpose of making a comparison against a scenario that occurred in the past or yet to occur in the future of which the definition of it at the time It occurred or when it will occur does not exist yet!

(i.e.) The following:



Qur'an 75:29
And when the leg intertwined with leg
(Arabic Spelling = "Waltaffat El Saqu Bil Saqi")

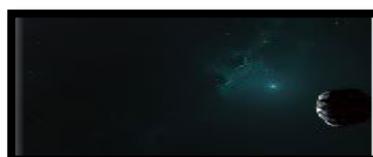


The Sentence appeared in the Qur'an **{Sura# 75 (Al-Qiyamah) / Verse 29}** and it is a comparison based sentence which definitely it does not refer to people sitting down while crossing legs on top of each other (*on resurrection day*). Comparison based sentences are part of the Qur'an science which appears when required to draw a precise picture of a certain happening

Words and Sentences with Multiple Meaning:



Qur'an 86:11
By the Firmament which returns (in its round)
(Arabic Spelling = "Wa Samaou Zati Elraje")



The sentence appeared in the Qur'an **{Sura# 86 (Al-Tareq) / Verse 11}** and it a sentence of multiple meaning as what the firmament returns in its round could be cosmic echo or rain.

Valid Hypothesis:

Most of today's modern science relies on Hypothesis when it comes to science of the future in terms of validating the authenticity of a futuristic hypothesis or even when it comes for validating a past historic event such as the big bang. However what is most important about these hypotheses that the possibility of it happening is true (i.e.) the following:

Qur'an 12:4

When Joseph said to his father, 'Father, I saw eleven planets, and the sun and the moon; I saw them prostrating themselves before me.'

(Arabic Spelling = "Iz Qala Yusufu Li Abihi ya Abati inni ra-aytou ahada ashara kwkaban wa shamsa wal qamara ra-aytuhum li sajideen")



Mercury, Venus, Earth, Mars, Jupiter, Saturn, Neptune, Dwarf planet Ceres, Dwarf planet Pluto and Dwarf planet Eris

The sentence appeared in the Qur'an **{Sura# 12 (Yusuf) / Verse 4}** and it is a hypothesis revealing the number of planets in our solar system (in addition to the moon and sun which they are not considered planets).

Qur'an 16:79

Do they not look at the birds, held poised in the midst (the air and) of the sky? Nothing hold them up but (the power of) Allah. Verily in this are signs for those who believe

(Arabic Spelling = "Alam Yarou Ila Tayri Musakharatin Fi Jaww El Samae Ma Yomsikhonna Illa Llahu Inna Fi Zalek La Ayatin Li Qawmen Youemenoun)

Then sentence appeared in the Qur'an **{Sura# 16 (The Bees – An-Nahl) / Verse 79}** and it precisely says that Birds flies in the atmospheric section of the sky the interpretation of the Word JAWW ("Arabic word as mentioned in the Koran") precisely means In the Arabic dictionary as follows:

- The Atmospheric Space between the Earth and the Sky (ما بين الأرض و السماء)
- The Inner Portion of the Sky (the outer of the sky extends outward while the inner of it touches the earth)

This was a valid Islamic hypothesis that segregates the composition of the atmospheric sky from the sky itself and revealing for us that the sky we are looking at is composed of various molecules/structures of which in some (as the case of atmospheric sky) birds can live and fly within while in other (non-atmospheric) birds won't be able to live and fly within and this hypothesis is also enforced by the following:

Qur'an 6:165

Whomsoever Allah to desires to guide, he expands his chest to Islam (submission). Whosoever he desires to lead astray. He makes his chest narrow, tight as though were climbing to heaven (pushed by force upward into the sky) as such allays scourge on the unbelievers

(Arabic Spelling = "Alam Yarou Ila Tayri Musakharatin Fi Jaww El Samae Ma Yomsikhonna Illa Llahu Inna Fi Zalek La Ayatin Li Qawmen Youemenoun)

Then sentence appeared in the Qur'an **{Sura# 6 (The Cattle – Al-'An'am) / Verse 165}** and it precisely says that breathing is affected as we move upward into the sky and describes it as tightness of pressure on the chest which is a medical condition known as High Blood Pressure (Affecting the hearts arteries) due to a change in diastolic blood pressure associated with a change in attitude:

Both **Sura 12 Verse 4** and **Sura 6 Verse 65** points as a reference to an earth leaving creatures (Birds in the first and Human in the second) being present in the atmospheric sky and the latter will be affected (health wise) if he tries to climbs upward (due to the facts of reduced oxygen levels and a change in air pressure).

Indirect Referencing:

Indirect referencing occurs when a discussion indirectly presents or reveals a fact (Scientific matter) which is not the main topic of the ongoing discussion such as the following:

Qur'an 2:30

When your Lord said to the angels, 'I am placing on the earth a caliph,' they replied, 'Will you put there who corrupts and sheds blood, when we exalt your praises and sanctify You?' He said, 'I know what you do not know.'

Then sentence appeared in the Qur'an **{Sura# 2 (The Cow – Al Baqara) / Verse 30}** and if you read through the sentence that says Will you put there who corrupts and sheds blood you will indirectly notice that the statements means that the angels witnessed bloodshed in the earth prior to the creation of the human race and that is an indirect reference to earth's timeline (the dinosaur age that preceded the human age was characterized with bloodshed of which the angels witnessed so they wonder why god is repeating the same process again)

Associated Referencing:

Associated Referencing in the Qur'an science means when some of the verses of a certain **Sura (Chapter)** are associated to the title of the **Sura** as means to support the cause of the scientific reference i.e. the following:

Qur'an 75:29 {Al-Qiyamah | The Resurrection}

And when the leg intertwined with leg

(Arabic Spelling = "Waltaffat El Saqu Bil Saqi")

The verse works as a **Comparison Based Sentence** and at the same time it related to Resurrection (The Title of Sura#75 which is The Resurrection) for the fact is that DNA is constructed at the time of creation or re-creation.

Summary

Comparison Based Statements, Valid Hypothesis, Indirect Referencing, Associated Referencing are all part of the Qur'an Islamic science. The Qur'an script in its scientific aspect is highly complex and inter-related in many matters and when it comes for selecting the proper translation of its words and sentences a deep understanding to the script is required at the scientific level of it as these words and sentences could be of comparative nature and relates to the title of the topic or might stand for multiple meanings and refers to a past or future hypothesis.

SCIENCE OF THE HADITH***The first thing we need to ask WHAT IS THE HADITH?***

In Arabic the word Hadith (حديث) means a piece of information conveyed either in a small quantity or large. In Islamic terminology, the term Hadith refers to reports of statements or actions of Muhammad (PBUH), or of his tacit approval or criticism of something said or done in his presence

The Islamic religion is the only religion in the world that has an enormous historical documentation about the person that declared the religion and ended up in succeeding and gaining an enormous quantity of followers

This is a true fact that needs to be recognized that Islam has the Qur'an as its holy book and Islam has a documented history for the Prophet of Islam, Muhammad (PBUH) for good 23 years as from the date he received the message till the date he died and among those who narrated about his life are his wife AISHA who lived with him for 10 years and his house mate ANAS who served him for 10 years and all his close friends and followers, all narrated what later after his death became documented in form of AHADITH (Plural of HADITH) and two of the most trusted documentation in use by the majority of Muslims worldwide is the book of

BUKHARI known as Sahih Al-Bukhari and the Book of MUSLIM known as Sahih Muslim and both book were compiled approximately 200 years after Muhammad (PBUH) death

THE HUMAN GENOME

The DNA in humans represents the genome of which the human genetic code is based on. As a starting point the DNA is initiated by the union of 46 chromosomes (23 from the male side and 23 from the female side), forming the double helix or the so called twisted ladder that will replicate into a 3 billion of base pairing in the form of triplets that if spread it will cover in the length the distance between the earth and the sun

Once the 46 units, the union will be recognized in embryology as ZYGOTE which is actually made of 22 type of chromosomes known as the autosome individual chromosomes (#1 - #22) and the sex chromosome (#23) that will continue to replicate forming the genetic code twisted ladder

In general, a summary to issues representing the human genetic engineering code could be categorized as three in number as follows:

- 46 Chromosomes
- DNA
- Triplets of base pairing

The summary of combining the 3 together is represented by the twisted ladder which will begin to replicate in order to form the human genome

The 46 chromosomes

Each human genetic code is based on the **46** inherited chromosomes and in the case of prophets their genes are the same like us (forty-six) in number but genetically modified in order to fulfill the prophecy

It has been narrated that the prophet said the following:

NARRATED Anas Bin Malik: Allah's Apostle said, "A good dream (that comes true) of a righteous man is one of 46 (forty-six) parts of prophetism. "Hadith – Bukhari"

Such reference to number 46 relating to parts of prophetism (Which is eventually referring to human prophetism) is unique among approximately 4960 hadith (after removing redundancies) in the two books of Sahih Bukhari and Sahih Muslim

DNA (Deoxyribonucleic acid)

The Best comparative sentence that could be used to illustrate how the DNA looks like is by calling it the double-helix or the twisted ladder and in the Qur'an there is a direct reference about the DNA genetic engineering usage in reconstructing the human parts to form his body on the resurrection day in the **resurrection Sura# (Chapter):**

DIRECT DESCRIPTION OF THE DNA DOUBLE HELIX

Al-Qiyamah | 40 verses | The Resurrection | Sura# 75 | Makkah

BY THE NAME OF GOD MOST GRACIOUS MOST MERCIFUL

26. But When (The Soul) reaches the collar bone
27. And it is said, 'Who is a healing chanter?'
28. And When he thinks it is the time of departure
- 29. And when the leg is intertwined with leg**
30. Upon that day the driving shall be to your lord

The Above 5 verses (26-30) in Sura# 75 ("The Resurrection") speaks of the dying soul as it reaches the collar bone (#26) the dying person will recognize the happening (#28), then followed the resurrection of his soul and rebuilding his body using his captured DNA sequence using the words "Intertwined Legs" as a comparative statement to the re-winding of the double-helix followed by a sign that it is time to meet Allah (SWT) (#30).

The Above revealed verses are referring to the resurrection in Sura# 75 (The Resurrection) which is the best title association to be used in terms of recreation by re-building the DNA strand in order to resurrect. On the above Sura, Allah (SWT) is not referring to people sitting down and crossing legs on the resurrection day rather the use of intertwined legs statement was more of a comparative statement in order to illustrate the double helix ladder ("Resurrecting Each human body using his captured DNA sequence)

Verse 29 was selectively placed in Sura# 75 {Al-Qiyamah | The Resurrection} as explicit means by Allah (SWT) to support those who can scientifically interpret the holy Qur'an for the purpose of supporting the cause of Islam.

INDIRECT DESCRIPTION OF THE DNA JOB

Al-Infitar | 19 verses | The Cleaving | Sura# 82 | Makkah

BY THE NAME OF GOD MOST GRACIOUS MOST MERCIFULL

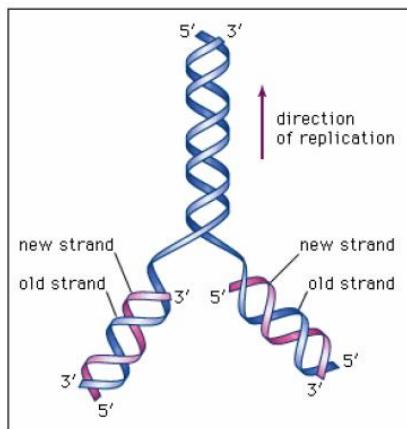
6. O human! What has deceived you concerning your generous lord
7. Who created you formed you and proportioned you?
8. In whatever picture he could surely have constructed you.

In The above verse I used precise translation as word to word specially regarding the word PICTURE ("SHAPE") and the word **CONSTRUCTED** in verse 8 as some of the existing translations never used such one to one translation but in this case, I say yes it has to be one to one

In the above verse Allah (Swt) is telling the mankind the what he looks like "his picture how he/she looks like is not a result of drawing action rather it is an output related to genetic engineering action that could be modified based on Allah's (Swt) will.

All Arabic readers of the Qur'an script knows that pictures are not constructed rather they are painted or drawn as the same implies for english readers but in Sura# 82 ("Al-Infitar – Verse 8") Allah is telling the mankind that what they look like is an output as a result of a constructed input that he "Allah (Swt)" could easily alter ("Referring to the possibility of re-coding the DNA").

In Verse 8 of Sura# 82 Allah(Swt) used the Arabic word **RAKABBA** which by converting the meaning to English will literally mean "**CONSTRUCTED IN VERTICAL FORM ONE ABOVE ANOTHER**"



Both revelations about the direct and the none-direct DNA description are revealed in Qur'anic Sura's that are related to dooms day event ("Resurrecting the death") which requires the use of DNA Genome sequence of which Allah (Swt) has kept the copy of it.

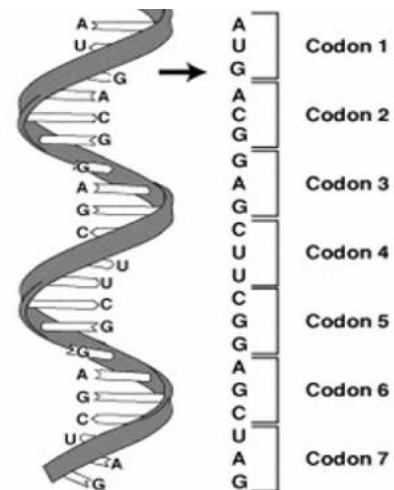
In addition to the Qur'anic revelation there is a very important Hadith that has an indirect reference to modifying the resurrect on the judgment day

NARRATED Abu Huraira: Allah's Apostle said, "The First batch (of people) that will enter paradise will be (glittering) like a full moon; and those who will enter next will be (Glittering) like the brightest star. Their Hearts will be if the heart of a single man, for they will not have any enmity amongst themselves, and every one of them shall have two wives, each of whom will be so beautiful, pure and transparent that the marrow of the bones of their legs will be seen through the flesh. They will be glorifying Allah in the morning and evening and will never fall ill, and they will neither blow their noses, nor spit. Their utensils will be of gold and silver, and their combs will be of gold, and the fuel used in their centers will be aloes-wood, and their sweat will smell like musk "Hadith – Bukhari"

The entire calorie burning metabolism as mentioned above will be modified to run through the sweat glands and more over they will not fall ill (same good feeling throughout the rest of their life's) and as we know one of the major response to flu symptoms which is the most common sickness that affects the humans is excessive mucus secretions from both the nose and the mouth and that is something will not exist by then for some which is and indirect reference to DNA modification ("Hypothesis") as mentioned before in Sura# 82 | verse 8 "In whatever picture he could surely have constructed you."

3 - TRIPLETS OF BASE PAIRING

The letters of the genetic alphabet are the nucleotides **A**, **T**, **G**, & **C** of DNA. The unit of information is CODON = Genetic 'word'. A Triplet sequence of nucleotides 'CAT' in a polynucleotide, 3 nucleotides = 1 CODON (word) = 1 amino acid in a polypeptide. The definition of (CODON) word = **amino acid**. The Size of Human Genome: 3,000,000,000 base pairs or 1.5b in single strand of DNA genes made of a series of triplets. The human genome is equal to **588,000 pages or 490 copies of bio text book**



The Qur'an has a direct reference to the use of triplets in constructing the human genome on the resurrection day.

Al-Waqia | 96 verses | The Event, The Inevitable | Sura# 56 | Makkah

BY THE NAME OF GOD MOST GRACIOUS MOST MERCIFUL

7. And you became Triplet of Pairs.

If you browse through the Qur'anic translation from different sources you will find out the following translation instead of the above

Al-Waqia | 96 verses | The Event, The Inevitable | Sura# 56 | Makkah

BY THE NAME OF GOD MOST GRACIOUS MOST MERCIFUL

7. And ye shall be sorted out in three classes.

And literally both translations are correct with each serving one side of the story

The First is Scientific and the Translation in 100% accurate when translated one to one (Triplet of Pairs is the actual direct translation)

The Second is Literal and it covers mostly the complete scene omitting the word Triplet "Which is actually there (**ARABIC = SALASA**)" and omitting the word Pairs "Which is also there (**ARABIC = AZAWAJAN**)"

Verse 7 is also in Sura# 56 ("The inevitable") which refers to the dooms day event and with this we have 3 references to the use of genetic engineering in reconstruction the human genome and all these references are distributed in dooms day related verses (associated referencing)

THE RESURRECTION

DNA SHAPE

THE CLEAVING

DNA JOB

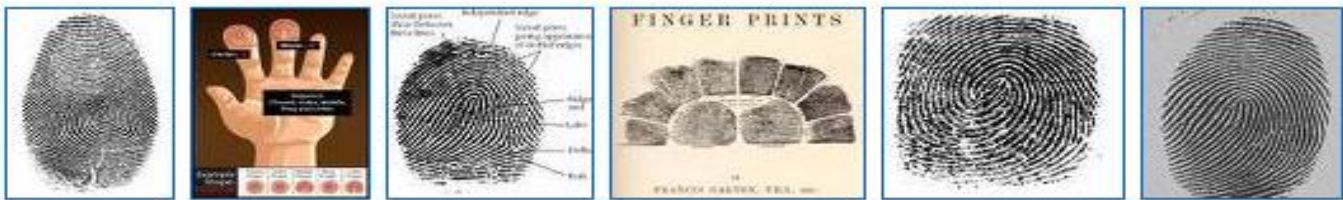
THE INEVITABLE

DNA DEQUENCE

READ NEXT

MORE ON GENETIC ENGINEERING RELATED REVELATIONS

FINGER PRINTS:



Although this article is not part of the process in genetic engineering but I've decided to add it here because it is related to it and because it is revealed in Sura# 75 which is the Resurrection (Associated Referencing)

MODERN SCIENCE: tell us that the patterns of ridges on our finger pads are unique: no two individuals—even identical twins—have fingerprints that are exactly alike.

Al-Qiyamah | 40 verses | The Resurrection | Sura# 75 | Makkah

BY THE NAME OF GOD MOST GRACIOUS MOST MERCIFUL

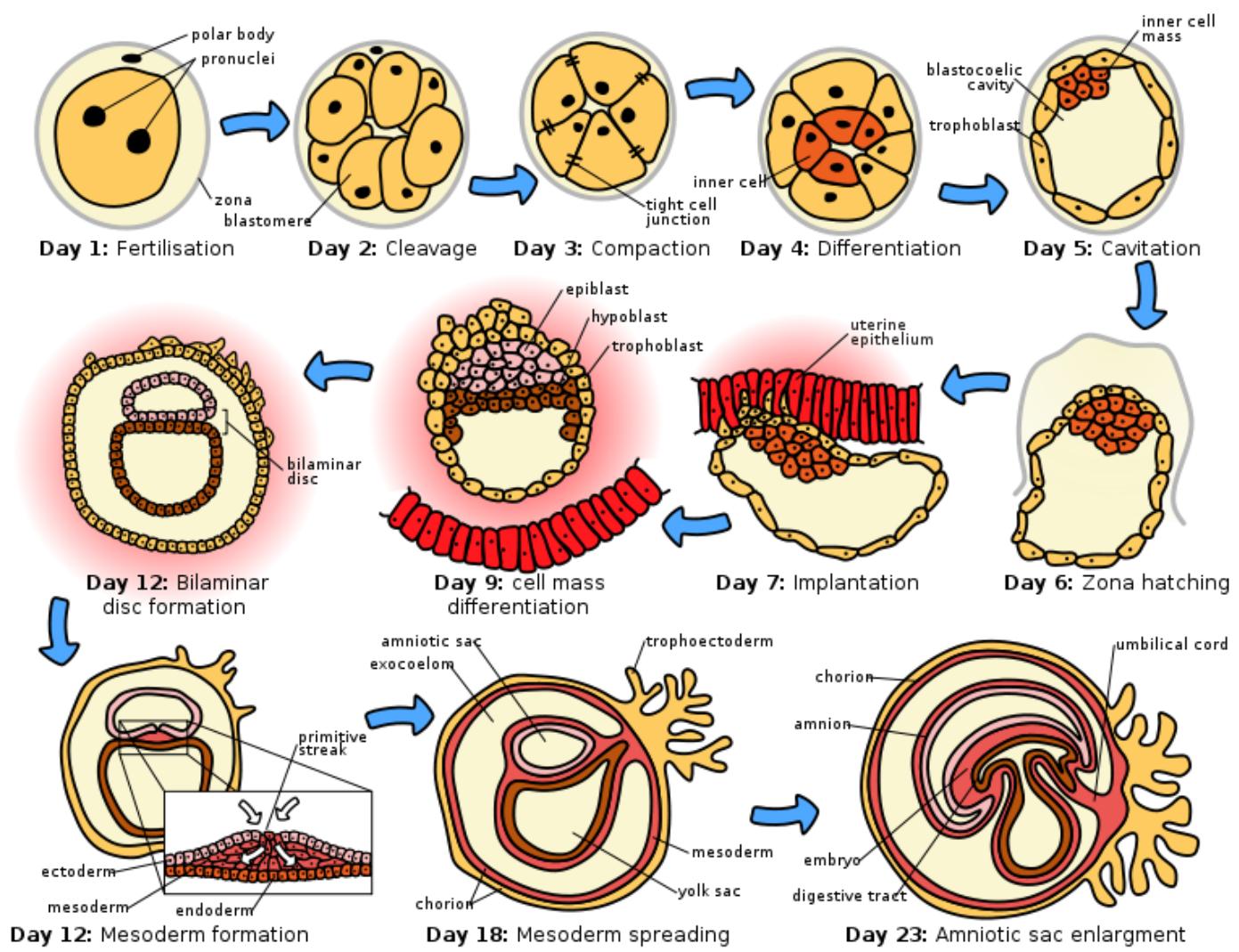
4. Indeed yes, we are able to shape his finger tips yet again

READ NEXT

FETAL DEVELOPMENT DURING THE FIRST 40 DAYS OF PREGNANCY



FETAL DEVELOPMENT DURING PREGNANCY



Although I've previously uploaded this article into a separate file, I really feel that attaching it along with the above article will add to your knowledge about Islam. This article represents a stamp which leaves the reader without a single doubt about the authenticity of the Islamic message.

The facts in this document are collected from both the Holy Qur'an and the authentic Hadith and these facts were revealed 1400 years among a community of none-literate population, a community of desert people including the prophet himself (Muhammad PBUH) who revealed the message and he was a none-literate person.

AND GOD SAID IN THE HOLY-QUR'AN

Al-Mumenoon | 118 verses | The Believers | Sura# 23 | Makkah

BY THE NAME OF GOD MOST GRACIOUS MOST MERCIFUL

12. We created the human from an essence of clay:

13. Then we made him, a drop in a secure receptacle (**NUTFA** in Arabic spelling **نطفة**)

14. Then we created of the drop, a cloth (of congealed blood – **ALAKA** in Arabic spelling **علقة**) and we created the cloth into bite-size tissue (**MUDGHA** in Arabic spelling **مضغة**), then we created the bite-size tissue into bones, then

15. After that you shall surely die,

16. And be resurrected on the day of resurrection.

The Qur'anic verses are referring that the First phase of creation is ("1-NUTFA") which was kept in place that is described in Arabic as QARAR MAKIN; The Second Phase of Creation is ("2-ALAKA"), The Third Phase of Creation is ("3-MUDGHA"). The subject is referring to fetal development during Pregnancy.

The Above Phases of Creation are Equivalent in Embryology To



You might ask what makes the above established relation Authentic?

The Answer comes in the following pages

THE FIRST PHASE OF CREATION

“ZYGOTE IN ENGLISH = NUTFA (نطفة) IN ARABIC”

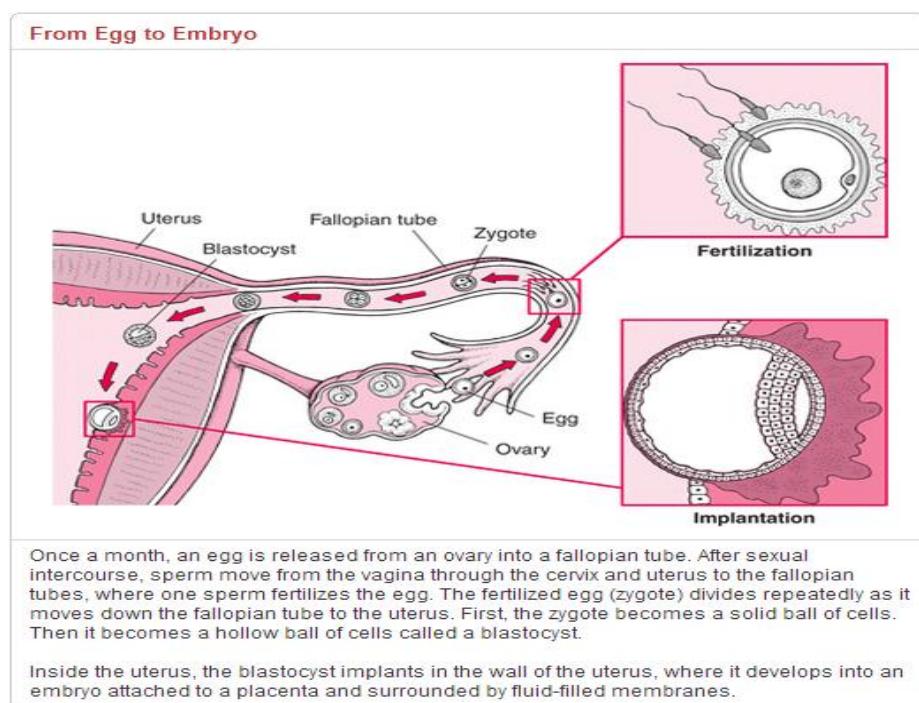
At ovulation, the mucus in the cervix becomes more fluid and more elastic, allowing sperm to enter the uterus rapidly. Within 5 minutes, sperm may move from the vagina, through the cervix into the uterus, and to the funnel-shaped end of a fallopian tube—the usual site of fertilization. The cells lining the fallopian tube facilitate fertilization.



In The Arabic-Dictionary the Arabic word “**QARAR**” Refer to Thinks and Matters that has settled down in a meaning that it has reached to an end and settled. ALSO the word “**QARAR**” Refer to a circular bottom of an object which seizes water in it

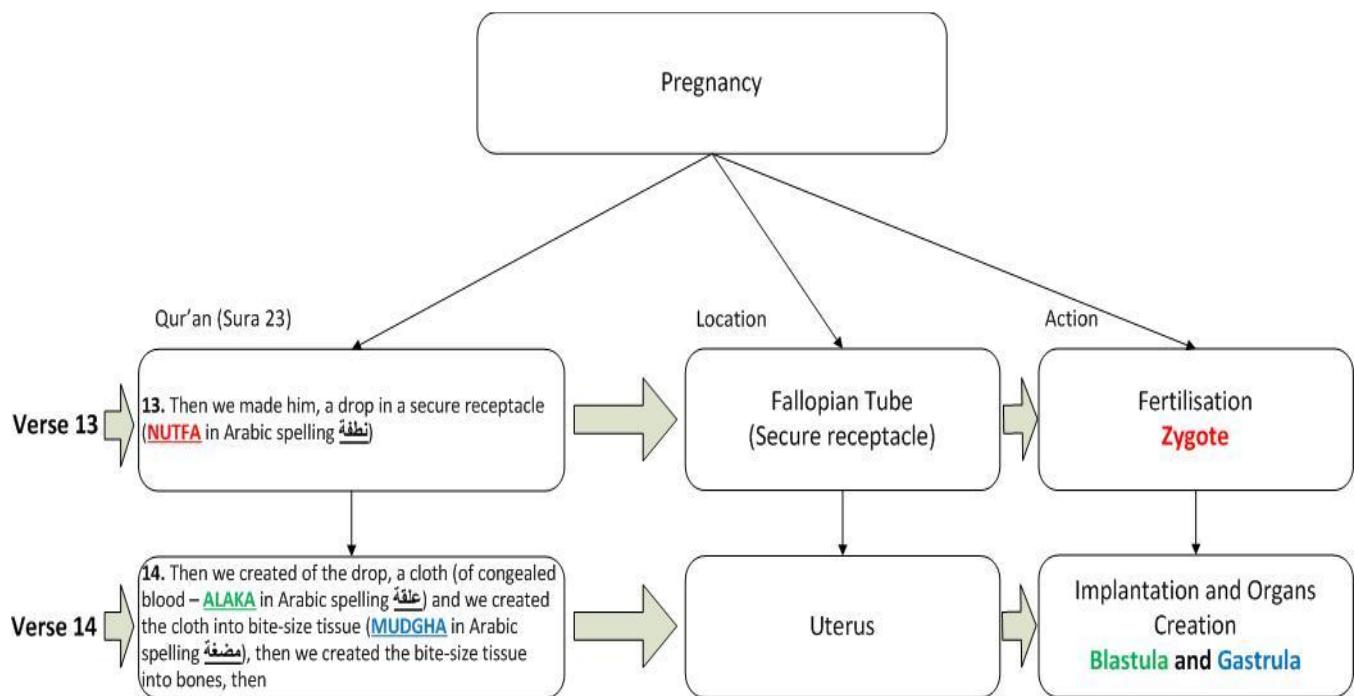
In the Arabic-Dictionary the word “**MAKIN**” means “**SOLID**”

In the Arabic Dictionary the Word “**NUTFA**” has Several Meaning Depends on its place in the Phrase so the Word **NUTFA** Means “**Male & Female Sperm**” and the Word **NUTFA** means “**A Tiny Drop of Water in a Bottom of a Bucket**”



It exists in a funnel-shaped end of a fallopian tube that provides secure receptacle and it is enclosed by an end that has a bucket looking ovaries. The words secure receptacle as associated to the zygote being fertilised in the fallopian tube negates such security or even the possibility of such fertilisation to occur in the same location of implantation or the same location of gestation (Uterus) because they are not considered a secured receptacle. The word secure receptacle strictly appeared in association with the zygote in Sura 23 Verse 12 as an isolated case than that of Blastula and Gastrula that mentioned together in Sura 23 Verse 14

The following diagram provides a logical explanation to the expression

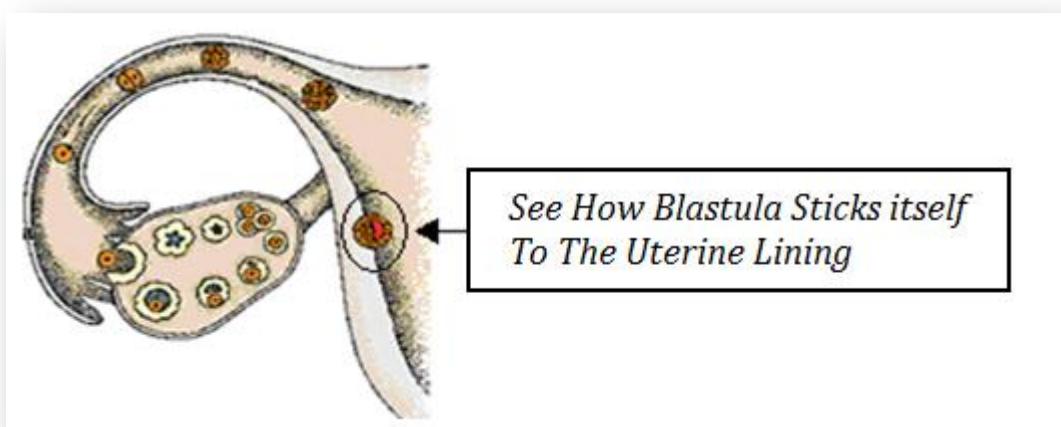
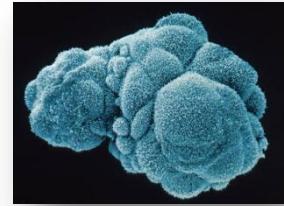


The isolation of fertilization process as revealed in the Qur'an Sura 23 Verse 13 is not a co-incidence instead it is followed by a combination of the Implantation and Gestation in Verse 14 whereby the first action is accomplished in the fallopian tube while the second action for both Implantation and gestation is accomplished in the uterus.

THE SECOND PHASE OF CREATION

“BLASTULA IN ENGLISH = ALAKA IN ARABIC”

The Second Phase is the “ALAKA”. The “ALAKA” Word has several meanings in the Arabic language and one of the most important meaning of it that “IT STICKS TO SOMETHING” similar to the mud in someone hands when building a mud house and that is scientifically true because the ZYGOTE migrate through the fallopian tube to become a BLASTULA that implants itself to the Uterine Lining in the Mother Uterus in a STICKING act. Also in Arabic the word “ALAKA” has a dual meaning and the second meaning refers to something that is sucking blood which is also scientifically true because the “BLASTULA” begins feeding by sucking blood as it implant itself or stick itself to the wall of the UTERUS.



Scientific Article (Blastula)

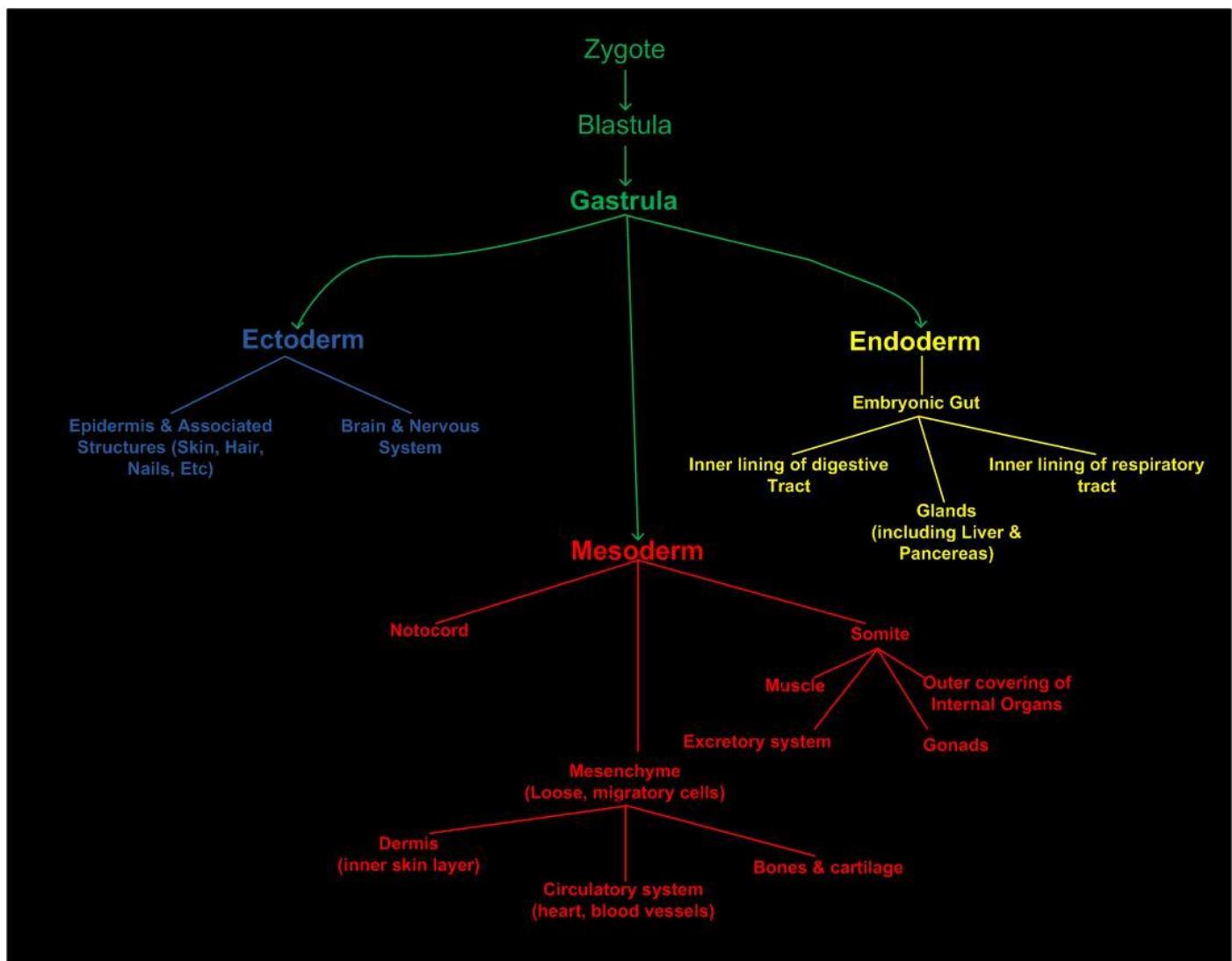
Human Development: Blastula (Sixth Day):

5 to 6 days after fertilization, the zygote has divided several times and the embryo is composed of a 100 cells in the shape of a ball with a fluid-filled cavity (Inside); at this stage the embryo will be called blastula.

THE THIRD PHASE OF CREATION

“GASTRULA IN ENGLISH = MUDGHA IN ARABIC”

The Third phase in creation is the “**MUDGHA**” and in the Arabic dictionary the word MUDGHA refers to something that starts of **being chewed** and Divides such as a piece of meat being crushed by a pair of tooth and normally when something starts to be chewed it changes in shape and starts moving apart and that is how the GASTRULA behaves as the first sign of visible movement becomes active with the GASTRULA.



The picture above illustrates to you how the **Gastrula spreads to form the 3 Principal Locations** for creating the fetus Organs this is clearly stated in the following Qur'anic Verse

And as a prove for us that the human creation in his mother womb is accomplished within the Gastrula 3 separate layers of darkness the revelation continues as follows:

Az-Zumar | 75 verses | The Troops | Sura# 39 | Makkah

BY THE NAME OF GOD MOST GRACIOUS MOST MERCIFUL

6. He created you from a single soul, then from it he created its spouse. And he sent down to you eight pairs of the cattle. **He creates you in your mothers' womb, creation after creation, in three stages of darkness.** Such then is ALLAH, your Lord. For Him is the Kingdom. There is no god expect Him. How, then, can you turn away?

In this revealed verse in Sura# 39 (Az-Zumar) Allah is referring to THREE (3) different creation stages “**TRIMESTERS OF DARKNESS**” that are accomplished in the womb Which defers from the previously mentioned Sura #23 (Al-Mumenoom) which is referring to locations and phases of development “**ZYGOTE** is initiated in the fallopian tube, **BLASTULA** sticks and **GASTRULA** expands in the uterus” so basically the “zygote, blastula, and gastrula” are creations that does not share the same location (No Equality in the process) while in Sura# 39 Verse 6 there is equality in the process which refers to 3 stages in a 4 word sentence in the same verse (verse 6) which is not the same case for Zygote, Blastula and Gastrula as the zygote was separately mentioned in a single verse while the remaining 2 processes were combined in another verse

THE **TRIMESTERS OF DARKNESS** STAGES AS MENTIONED IN THE QUR'AN IS SCIENTIFICALLY
KNOWN AS

ECTODERM, MESODERM, ENDODERM

Scientific Article (Gastrula)

First Cell Divisions:

As a fertilized egg goes through its first divisions, the daughter cells become progressively smaller. When there are a hundred or more cells, they form a hollow ball of cells, called a blastula which will stick itself to the uterine lining then expand to form a gastrula that at will produce the three layers of cells – **Endoderm (inner), Mesoderm (middle), and Ectoderm (outer)**.

All the FETUS ORGANS creation is completed within the **3 Primary Germ Layers** and the second striking issue about this scientific discovery that the creation of the organs was not a one moment stage rather it was a creation that occurred over a gradual process before it's entirely completed within 40 days and the last organ to be created are the reproductive organs ("everything happens in pregnancy after 40days becomes development (Growing up) not creation").

During gastrulating, three major cell lineages are being established. They are the Ectoderm, Mesoderm and Endoderm. Following gastrulating, various cell lineages are derived from these three primary cell types. For example, the Ectoderm gives rise to the epidermis and its derivatives such as nails, hair and teeth. On the other hand, the Ectoderm also gives rise to the Central Nervous System”

HADITH

Narrated `Abdullah bin Mus'ud: Allah's Apostle, the true and truly inspired said, "(The matter of the Creation of) a human being is put together in the womb of the mother in forty days, and then he becomes a clot of thick blood for a similar period, and then a piece of flesh for a similar period. Then Allah sends an angel who is ordered to write four things. He is ordered to write down his (i.e. the new creature's) deeds, his livelihood, his (date of) death, and whether he will be blessed or wretched (in religion). Then the soul is breathed into him. So, a man amongst you may do (good deeds till there is only a cubit between him and Paradise and then what has been written for him decides his behavior and he starts doing (evil) deeds characteristic of the people of the (Hell) Fire. And similarly a man amongst you may do (evil) deeds till there is only a cubit between him and the (Hell) Fire, and then what has been written for him decides his behavior, and he starts doing deeds characteristic of the people of Paradise. (*Hadith – Bukhari*)"

Scientific Article (Embryo Development)

Developing embryo's First Month:

Thirty hours after conception, the fertilized egg undergoes its first cell division. The embryo continues to divide as it travels down the fallopian tube. It implants in the uterine lining approximately six days after fertilization, a ball of cells with a disc-shaped embryonic mass. In the second week, the placenta begins to form, nourishing an embryo now composed of the three primary types of tissue: endoderm, ectoderm and mesoderm. The third week sees the formation of the neural tube, precursor of the central nervous system. Blocks of muscle tissue called somites, from which major organs and glands will arise, form along the embryo's dorsal surface. Blood vessels and the beginnings of the digestive cavity appear by the end of the week at the close of the first month; all major organs have begun their development. The eyes are visible, the arms and legs begin to but, the four-chambered heart beats for the first time.

DETERMINING THE FETUS SEX

THE PRE-FINAL-FIX

A continued Explanation to the Above subject and to confirm that what god is referring about in terms of the 3 layers creation occurs within the first 40 days Here comes from the Prophet a revelation that shakes the hearts, he has told his people "**After the creation of the embryo might have been completed at 40 to 50 days The Sex of the Embryo is decided by God**" and that is scientifically true because after the creation is completed, the embryo has complete organs in place with the exception of the Sex Organs that are Neutral by then and Their Scientific name is called GONADS so at that stage they are not TESTICALS nor OVARIES but at 40 to 42 days the GONADS are converted to either TESTICALS or OVARIES and the fetus gender is decided.

Hudhaifa b. Usaid reported directly from Allah's Messenger (May peace be upon him) that said:
 When the drop of (semen) remains in the womb for forty or fifty (days) or forty nights, the angel comes and says: My Lord, will he be good or evil? And both these things would be written. Then the angel says: **My Lord, would he be MALE or FEMALE?** And both these things are written. And his deeds and actions, his death, his livelihood; these are also recorded. Then his document of destiny is rolled and there is no, addition to and subtraction from it. "Hadith – Muslim"

The following scientific Text explains how after 6 weeks Gonads are directed to be either Testes or Ovaries!

Modern science discoveries (21st Century)

From fertilization through about the first 6 weeks (**"42 days"**) of development, male and female embryos differ only in the pairs of sex chromosomes they have in each cell – two x chromosomes (XX) in females and one X and one Y chromosome (XY) in males. At this stage both male and female embryos have **undifferentiated gonads (ovaries or testes)**, two sets of ducts (one set capable of developing into male internal organs and the other into female organs), and undifferentiated external genital folds and swellings.

About six weeks after conception, if a Y chromosome is present in the embryos' cells (as it is in normal males), a gene on the chromosome directs the undifferentiated gonads to become testes. If the Y chromosome is not present (as in normal females), the undifferentiated gonads will become ovaries (**"Microsoft Encarta 2003"**)

The article below is from Wikipedia showing the time frame of 6 weeks for development of the Müllerian ducts

Fetal age (weeks)	Crown-rump length (mm)	Sex differentiating events
0	blastocyst	Inactivation of one X chromosome
4	2-3	Development of wolffian ducts
5	7	Migration of primordial germ cells in the undifferentiated gonad
6	10-15	Development of müllerian ducts

Regulation of development

The development of the Müllerian ducts is controlled by the presence or absence of "AMH", or Anti-Müllerian hormone (also known as "MIF" for "Müllerian-inhibiting factor", or "MIH" for "Müllerian-inhibiting hormone").

Male embryogenesis	The testes produce AMH and as a result the development of the Müllerian ducts is inhibited.	Disturbances can lead to persistent Müllerian duct syndrome.	The ducts disappear except for the vestigial vagina masculina and the appendix testis .
Female embryogenesis	The absence of AMH results in the development of female reproductive organs, as noted above.	Disturbance in the development may result in uterine absence (Müllerian agenesis) or uterine malformations.	The ducts develop into the upper vagina, cervix, uterus and oviducts

SEE BELOW DETAILED COMPARISON DIAGRAM BETWEEN ISLAMIC REVELATIONS 1400 YEARS AGO AND MODERN SCIENCE DISCOVERIES

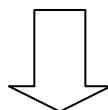
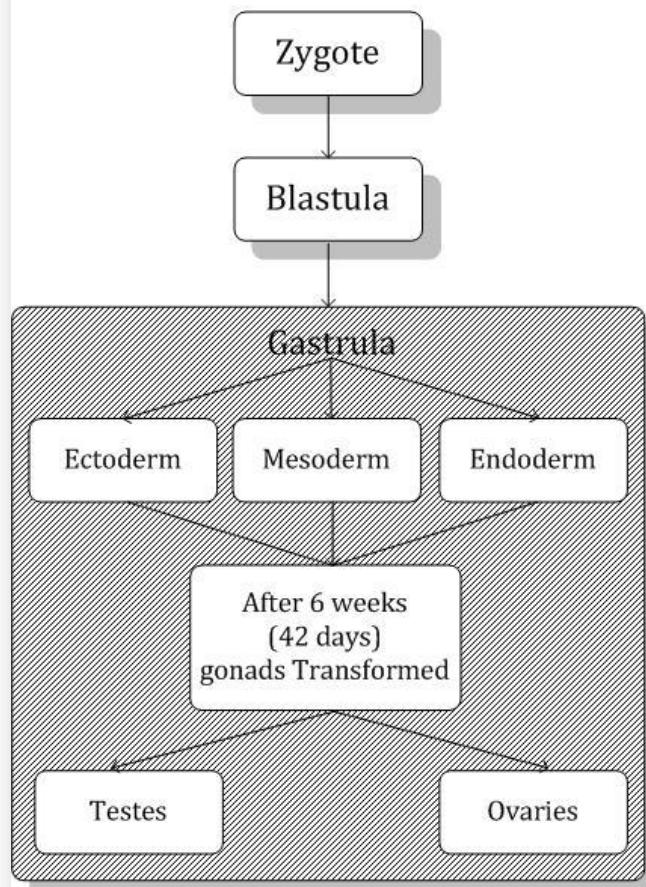


DIAGRAM FOR ENGLISH LANGUAGE READERS

Modern Science



Islamic Science

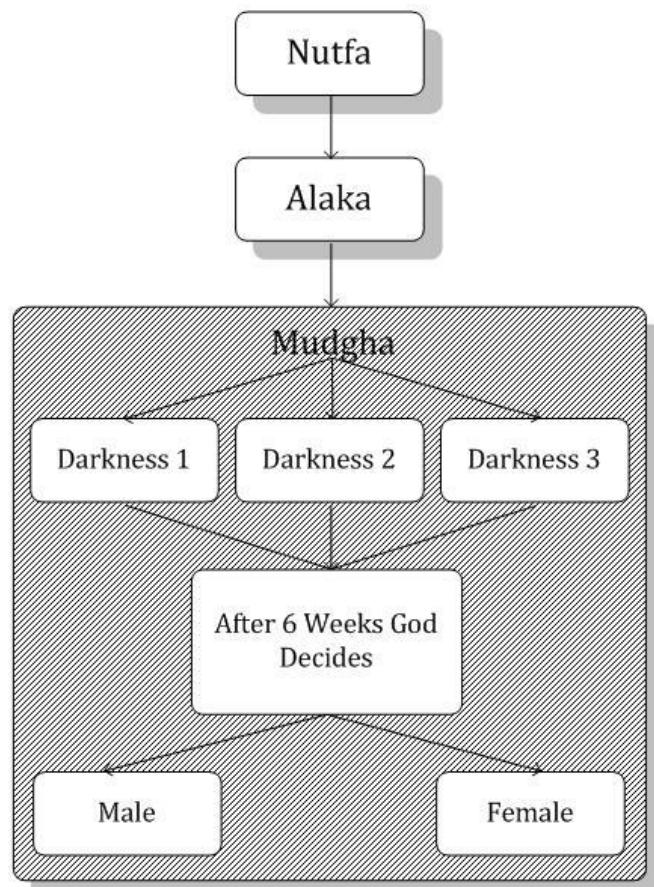
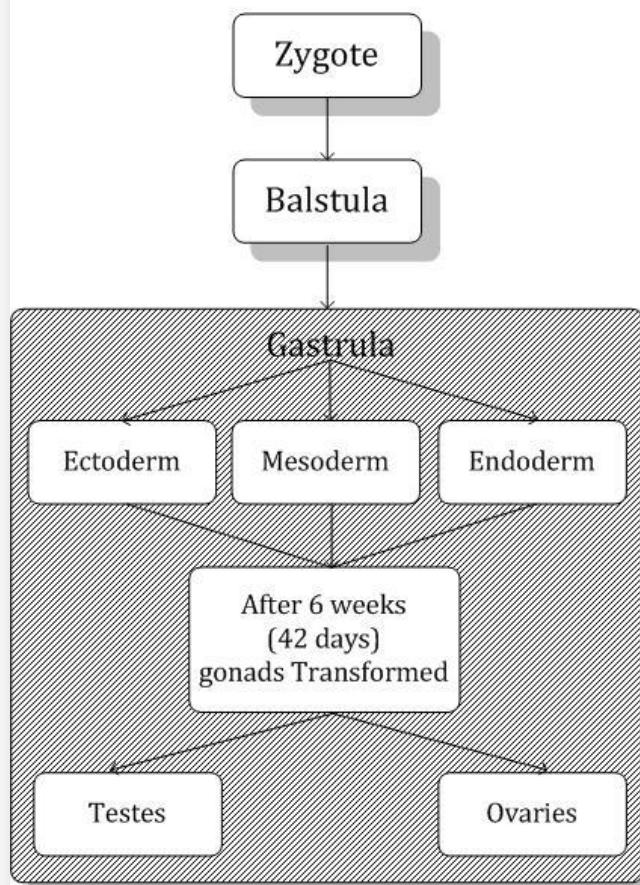
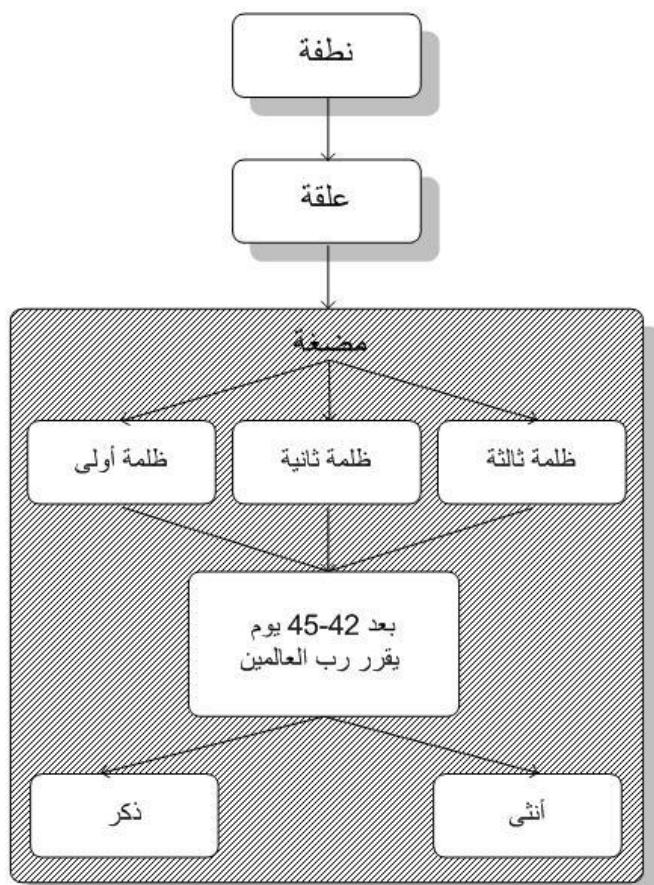


DIAGRAM FOR ARABIC LANGUAGE READERS

العلم الحديث



الإسلام



BLASTOCYST STRUCTURE

EMBRYOBLAST + TROPHOBLAST

Structure summary

The BLASTOCYST consists of two primary cell types:

1. The inner cell mass, also known as the "EMBRYOBLAST"
2. The TROPHOBLAST, a layer of cells surrounding the inner cell mass and the BLASTOCYCT cavity

The former is the source of EMBRYONIC STEM CELLS and gives rise to all later structures of the adult organism. The latter combines with the maternal ENDOMETRIUM to form the PLACENTA in eutherian mammals.

1 - EMBRYOBLAST is the mass of cells inside the primordial embryo that will eventually give rise to the definitive structures of the fetus (**A MASS OF CELLS THAT'S FORMS THE EMBRYO**).

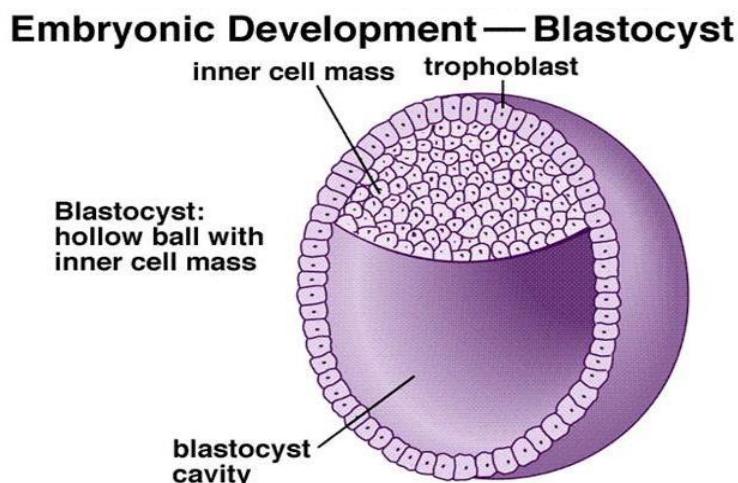
2 - TROPHOBLASTS are cells forming the outer layer of a blastocyst, which provide nutrients to the embryo and develop into a large part of the placenta (**AN UNFORMED MASS OF CELLS THAT FEEDS THE EMBRYO**)

The major difference between the EMBRYOBLAST and TROPHOBLAST that the first forms into organs while the latter does not and that's what is called in Qur'an science (MUDGHA that forms (عَصْنَةٌ مُخْلَقَةٌ) and MUDGHA That does not form (وَغَيْرٌ مُخْلَقَةٌ) meaning GASTRULA that forms and a GASTRULA that does not form

Al-Hajj | 78 verses | The Pilgrimage | Sura# 22 | Madina

BY THE NAME OF GOD MOST GRACIOUS MOST MERCIFUL

5. O people, if you are in doubt about the Resurrection, remember that We first created you from dust, then, from a sperm drop, then from a clot, and then from a bite-size tissue formed and unformed, so that We might clarify for you. We establish in the wombs whatever We will for an appointed term, and then We bring you forth as infants, then you come of age. Some of you die, and some of you are kept back to the vilest state of life, after knowing somewhat, they know nothing. And you see the earth dry; but no sooner do We send down rain upon it than it begins to quiver and swell, putting forth every fine variety (of herbage).



As a summary to this document it is good to praise the lord (Allah SWT) who created us and remember him with heart touching verses that I extracted from the holy Qur'an hopefully that this research will be accepted from me by him and adds to my good deeds on the day of judgment and forwarding it from your side to your friends, colleagues and sharing on the widest level will increase your good deeds (as a Muslim) or helps you come closer to Islam (if you are a none Muslim).

READ WITH ME IN THE NEXT PAGES SOME TOUCHY EXTRACTS FROM THE HOLY QUR'AN

Al-Mulk | 30 verses | The Sovereignty | Tafsir

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

سورة الملك

Sura #67 | Makkah

23

قُلْ هُوَ الَّذِي أَنْشَأَكُمْ وَجَعَلَ لَكُمُ السَّمْعَ وَالْأَبْصَارَ وَالْأَفْئَدَةَ قَلِيلًا مَا تَشْكُرُونَ

Say: "It is He Who has created you (and made you grow), and made for you the faculties of hearing, seeing, feeling and understanding: little thanks it is ye give.

Az-Zukhruf | 89 verses | Ornaments of Gold | Tafsir

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

سورة الزخرف

Sura #43 | Makkah

85

وَبَارَكَ اللَّذِي لَهُ مُلْكُ السَّمَاوَاتِ وَالْأَرْضِ وَمَا بَيْنَهُمَا وَعِنْدَهُ عِلْمُ السَّاعَةِ وَإِلَيْهِ تُرْجَعُونَ

And blessed is He to Whom belongs the dominion of the heavens and the earth, and all between them: with Him is the Knowledge of the Hour (of Judgment): and to Him shall ye be brought back.

Al-Isra | 111 verses | The night journey | Tafsir

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

سورة الإسراء

Sura #17 | Makkah

82

وَنَنْزِلُ مِنَ الْقُرْآنِ مَا هُوَ شِفَاءٌ وَرَحْمَةٌ لِلْمُؤْمِنِينَ وَلَا يَرِيدُ الظَّالِمِينَ إِلَّا خَسَارًا

We send down (stage by stage) in the Qur'an that which is a healing and a mercy to those who believe: to the unjust it causes nothing but loss after loss.

Al-Isra | 111 verses | The night journey | Tafsir

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

سورة الإسراء

Sura #17 | Makkah

81

وَقُلْ جَاءَ الْحَقُّ وَزَهَقَ الْبَاطِلُ إِنَّ الْبَاطِلَ كَانَ زَهُوقًا

And say: "Truth has (now) arrived, and Falsehood perished: for Falsehood is (by its nature) bound to perish."

طه

1

Ta-Ha.

2

مَا أَنْزَلْنَا عَلَيْكَ الْقُرْآنَ لِتَشْقِي

We have not sent down the Qur'an to thee to be (an occasion) for thy distress,

3

إِلَّا تَذَكِّرَةً لِمَنْ يَخْشَى

But only as an admonition to those who fear ((Allah)), -

4

تَنْزِيلًا مِمَّنْ خَلَقَ الْأَرْضَ وَالسَّمَاوَاتِ الْعُلَىٰ

A revelation from Him Who created the earth and the heavens on high.

5

الرَّحْمَنُ عَلَى الْعَرْشِ اسْتَوَىٰ

((Allah)) Most Gracious is firmly established on the throne (of authority).

6

لَهُ مَا فِي السَّمَاوَاتِ وَمَا فِي الْأَرْضِ وَمَا بَيْنَهُمَا وَمَا تَحْتَ التَّرَىٰ

To Him belongs what is in the heavens and on earth, and all between them, and all beneath the soil.

7

وَإِنْ تَجْهَرْ بِالْقَوْلِ فَإِنَّهُ يَعْلَمُ السِّرَّ وَأَنْهَىٰ

If thou pronounce the word aloud, (it is no matter): for verily He knoweth what is secret and what is yet more hidden.

8

اللَّهُ لَا إِلَهَ إِلَّا هُوَ لَهُ الْأَسْمَاءُ الْحُسْنَىٰ

Allah, there is no god but He! To Him belong the most Beautiful Names.

83

وَإِذَا أَنْعَمْنَا عَلَى الْإِنْسَانِ أَعْرَضَ وَنَأَىٰ بِحَاجَيْهِ طِبْرَانِيٌّ وَإِذَا مَسَّهُ الشَّرُّ كَانَ يَغُوسًا

Yet when We bestow Our favours on man, he turns away and becomes remote on his side (instead of coming to Us), and when evil seizes him he gives himself up to despair!

9 إِنَّ هَذَا الْقُرْآنَ يَهْدِي لِلّٰتِي هِيَ أَقْوَمُ وَيُشَرِّرُ الْمُؤْمِنِينَ الَّذِينَ يَعْمَلُونَ الصَّالِحَاتِ أَنَّ
لَهُمْ أَجْرًا كَبِيرًا

Verily this Qur'an doth guide to that which is most right (or stable), and giveth the Glad Tidings to the Believers who work deeds of righteousness, that they shall have a magnificent reward;

13 وَكُلُّ إِنْسَانٍ أَلْزَمَنَا طَائِرَهُ فِي عُنْقِهِ وَنُخْرِجُ لَهُ يَوْمَ الْقِيَامَةِ كِتَابًا يُلْقَاهُ مَنْشُورًا

Every man's fate We have fastened on his own neck: On the Day of Judgment We shall bring out for him a scroll, which he will see spread open.

14 اقْرِأْ كِتَابَكَ كَفَى بِنَفْسِكَ الْيَوْمَ عَلَيْكَ حَسِيبًا

(It will be said to him:) "Read thine (own) record: Sufficient is thy soul this day to make out an account against thee."

15 مَنِ اهْتَدَى فَإِنَّمَا يَهْتَدِي لِنَفْسِهِ وَمَنْ ضَلَّ فَإِنَّمَا يَضْلُلُ عَلَيْهَا وَلَا تَنْزِرُ وَازِرَةً وِزْرًا
أُخْرَى وَمَا كُنَّا مُعَذِّبِينَ حَتَّىٰ أَبْعَثَ رَسُولًا

Who receiveth guidance, receiveth it for his own benefit: who goeth astray doth so to his own loss: No bearer of burdens can bear the burden of another: nor would We visit with Our Wrath until We had sent an apostle (to give warning).

23 وَقَضَىٰ رَبُّكَ أَلَا تَعْبُدُوا إِلَّا إِيَّاهُ وَبِالْوَالِدَيْنِ إِحْسَانًا إِمَّا يَلْعَنَنَّ عِنْدَكَ الْكِبِيرُ أَحَدُهُمَا أَوْ
كِلَاهُمَا فَلَا تَقُلْ لَهُمَا أَفِٰ وَلَا تَنْهَرْهُمَا وَقُلْ لَهُمَا قَوْلًا كَرِيمًا

Thy Lord hath decreed that ye worship none but Him, and that ye be kind to parents. Whether one or both of them attain old age in thy life, say not to them a word of contempt, nor repel them, but address them in terms of honour.

24 وَأَخْفِضْ لَهُمَا جَنَاحَ الْذُلِّ مِنَ الرَّحْمَةِ وَقُلْ رَبِّ ارْحَمْهُمَا كَمَا رَبَّيَنِي صَغِيرًا

And, out of kindness, lower to them the wing of humility, and say: "My Lord! bestow on them thy Mercy even as they cherished me in childhood."

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SHALL BE REWARDED

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